

CLAIMS

1. A capacitor device comprising a cylindrical capacitor and a holder for holding the capacitor, said holder comprising a capacitor holding part that has an opening at the top and that is arc-shaped in cross section and a mounting part for mounting said holder itself to another device, said capacitor being held in a sideways position in the holding part of said holder with a heat shrinking resin tube interposed therebetween.

2. The capacitor device in accordance with claim 1, wherein the width of the opening of said holding part is less than twice the radius of the arc of said holding part.

3. The capacitor device in accordance with claim 1, wherein said heat shrinking resin tube comprises a polyolefin tube.

4. The capacitor device in accordance with claim 1, wherein the radius of the arc of the holding part of said holder is half the external diameter of the capacitor plus a range of the thickness of said resin tube before shrinking to the thickness of said resin tube after shrinking.

5. The capacitor device in accordance with claim 1, wherein said heat shrinking resin tube has been heat shrunk so that it has sufficient thickness to substantially close the gap between the holding part and the capacitor.

6. The capacitor device in accordance with claim 1, wherein the holding part of said holder has radiating fins on

the outer surface.

7. A method of fabricating a capacitor device, said device comprising a cylindrical capacitor and a holder for holding the capacitor, said holder comprising a capacitor holding part that has an opening at the top and that is arc-shaped in cross section and a mounting part for mounting said holder itself to another device, said capacitor being held in a sideways position in the holding part of said holder with a heat shrinking resin tube interposed therebetween,

said method comprising the steps of:

fitting said capacitor into the heat shrinking resin tube having an internal diameter greater than the external diameter of the capacitor and inserting the fitted capacitor into the holding part of said holder in a sideways position;

pulling the resin tube outward from the opening of the holding part; and

heating said heat shrinking resin tube so that it shrinks and adheres to the outer face of said capacitor.

8. The method of fabricating a capacitor device in accordance with claim 6, wherein the heating of said heat shrinking resin tube is performed by heating the holder.